IEEE HOME | SEARCH IEEE | SHOP | WEB ACCOUNT | CONTACT IEEE

VIEEE

Mellibership Fublica	Constitution Standards Converences Careers, 5001
	Welcome United States Patent and Trademark Office
Help FAQ Terms IEEE	E Peer Review Quick Links Sea
Welcome to IEEE Xplore - Home - What Can I Access? - Log-out	Your search matched 0 of 1064971 documents. A maximum of 500 results are displayed, 15 to a page, sorted by Relevance Descending order.
	Refine This Search: You may refine your search by editing the current search expression or enter
Tables of Contents	new one in the text box.
O- Journals & Magazines	haptic and force and reflect* and encoder Search
O- Conference Proceedings	☐ Check to search within this result set
O- Standards	Results Key: JNL = Journal or Magazine CNF = Conference STD = Standard
Search 🔀 🚉	JNE = Journal of Plagazine Civi = Conference Jib = Standard
O- By Author O- Basic O- Advanced	Results: No documents matched your query.
Member Services	
O- Join IEEE O- Establish IEEE Web Account	
O- Access the IEEE Member Digital Library	
IEEE Enterprise	
O- Access the IEEE Enterprise File Cabinet	

Print Format

Home | Log-out | Journals | Conference Proceedings | Standards | Search by Author | Basic Search | Advanced Search | Join IEEE | Web Account |
New this week | OPAC Linking Information | Your Feedback | Technical Support | Email Alerting | No Robots Please | Release Notes | IEEE Online
Publications | Help | FAQ| Terms | Back to Top

Copyright © 2004 IEEE - All rights reserved

WEST Search History

Hide Items Restore Clear Cancel

DATE: Wednesday, August 25, 2004

Hide? Set Name Query Hit Count							
DB=PGPB, USPT; THES=ASSIGNEE; PLUR=YES; OP=ADJ							
	L10	L8 and electro-mechanical	7				
	L9	L8 and elctro-mechanical	0				
	L8	L6 and force reflecting haptic interface	53				
	L7	L6 and force refleeting haptic interface	0				
	L6	L5 and signal	101				
	L5	L4 and linkage	109				
	L4	L3 and actuator	126				
	L3	L2 and force reflecting	135				
	L2	L1 and haptic interface	170				
	L1	force and haptic and reflect\$ and encoder	251				

END OF SEARCH HISTORY

Hit List

Generate Collection Fwd Refs **Bkwd Refs** Clear Print Generate OACS

Search Results - Record(s) 1 through 7 of 7 returned.

☐ 1. Document ID: US 20030034994 A1

Using default format because multiple data bases are involved.

L10: Entry 1 of 7

File: PGPB

Feb 20, 2003

PGPUB-DOCUMENT-NUMBER: 20030034994

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030034994 A1

TITLE: Force reflecting haptic interface

PUBLICATION-DATE: February 20, 2003

INVENTOR-INFORMATION:

NAME

CITY

STATE

RULE-47

Massie, Thomas H.

Windam

NH

COUNTRY US

Salisbury, J. Kenneth JR.

Cambridge

MA

US

US-CL-CURRENT: 345/701

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw, De

☐ 2. Document ID: US 6405158 B1

L10: Entry 2 of 7

File: USPT

Jun 11, 2002

US-PAT-NO: 6405158

DOCUMENT-IDENTIFIER: US 6405158 B1

TITLE: Force reflecting haptic inteface

DATE-ISSUED: June 11, 2002

INVENTOR-INFORMATION:

Salisbury, Jr.; Kenneth

NAME

CITY

STATE ZIP CODE COUNTRY

Massie; Thomas H

Vanceburg Cambridge

ΚY MA

US-CL-CURRENT: <u>703/6</u>; <u>318/628</u>

Full Title Citation Front Review Classification Date Reference Construction Attackers Claims KWIC Draw, D.

☐ 3. Document ID: US 6191796 B1

Page 2 of 4

L10: Entry 3 of 7

File: USPT

Feb 20, 2001

US-PAT-NO: 6191796

DOCUMENT-IDENTIFIER: US 6191796 B1

TITLE: Method and apparatus for generating and interfacing with rigid and

deformable surfaces in a haptic virtual reality environment

DATE-ISSUED: February 20, 2001

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

Tarr; Christopher

Cambridge

MA

US-CL-CURRENT: 345/581

Full Title Citation Front Review Classification Date Reference Food on the Public Claims KMC Draws Do

☐ 4. Document ID: US 5898599 A

L10: Entry 4 of 7

File: USPT

Apr 27, 1999

COUNTRY

US-PAT-NO: 5898599

DOCUMENT-IDENTIFIER: US 5898599 A

TITLE: Force reflecting haptic interface

DATE-ISSUED: April 27, 1999

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE

Massie; Thomas H Vanceburg KY Salisbury, Jr.; J. Kenneth Cambridge MA

US-CL-CURRENT: 345/161; 318/628

Full Title Citation Front Review Classification Date Reference September 1885 htter 6. Claims KMC Draw, De

☐ 5. Document ID: US 5691898 A

L10: Entry 5 of 7

File: USPT

Nov 25, 1997

US-PAT-NO: 5691898

DOCUMENT-IDENTIFIER: US 5691898 A

TITLE: Safe and low cost computer peripherals with force feedback for consumer

applications

DATE-ISSUED: November 25, 1997

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Rosenberg; Louis B. Pleasanton CA

Record List Display

Braun; Adam C.

Sunnyvale

CA

Schena; Bruce M.

Menlo Park

CA

US-CL-CURRENT: 700/85; 345/161, 463/38

Full Title Citation Front Review Classification Date Reference Separates Attachments Claims KMC Draw. De

☐ 6. Document ID: US 5625576 A

L10: Entry 6 of 7

File: USPT

Apr 29, 1997

US-PAT-NO: 5625576

DOCUMENT-IDENTIFIER: US 5625576 A

** See image for Certificate of Correction **

TITLE: Force reflecting haptic interface

DATE-ISSUED: April 29, 1997

INVENTOR-INFORMATION:

NAME

CITY

STATE ZIP CODE

COUNTRY

Massie; Thomas H.

Vanceburg

ΚY

Salisbury, Jr.; J. Kenneth

Cambridge

idge MA

US-CL-CURRENT: <u>703/6</u>; <u>318/628</u>

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sexuelosis | Attachinents | Claims | KMC | Draw, De

☐ 7. Document ID: US 5587937 A

L10: Entry 7 of 7

File: USPT

Dec 24, 1996

US-PAT-NO: 5587937

DOCUMENT-IDENTIFIER: US 5587937 A

TITLE: Force reflecting haptic interface

DATE-ISSUED: December 24, 1996

INVENTOR-INFORMATION:

NAME

CITY

STATE ZIP CODE

COUNTRY

Massie; Thomas H.

Vanceburg

KY

Salisbury, Jr.; J. Kenneth

Cambridge

MΑ

US-CL-CURRENT: 703/7; 700/264

Full Title Citation Front Review Classification Date Reference Superior Claims KMC Draw Do